

Substitute for form 1449A/B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

## Complete if Known

Application Number	10/530,169
Filing Date	July 18, 2005
First Named Inventor	Tanaka et al.
Group Art Unit	1645
Examiner Name	Unassigned
Attorney Docket Number	235032
Client Reference No.	201323

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## U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date if Appropriate
		Application or Patent Number	Kind Code			
/D.K./	AA	2002/0177242	A1	Hutchens et al.	Nov. 28, 2002	
	AB	2002/0155620	A1	Hutchens et al.	Oct. 24, 2002	
	AC	2002/0155509	A1	Hutchens et al.	Oct. 24, 2002	
	AD	2002/0142343	A1	Hutchens et al.	Oct. 3, 2002	
	AE	2002/0123043	A1	Hutchens et al.	Sep. 5, 2002	
	AE	2003/0044843	A1	Tanaka et al.	Mar. 6, 2003	
	AG	2002/0037517	A1	Hutchens et al.	Mar. 28, 2002	
	AH	2001/0023074	A1	Hutchens et al.	Sep. 20, 2001	
	AI	2001/0014479	A1	Hutchens et al.	Aug. 16, 2001	
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	AK	4,789,734		Pierschbacher	Dec. 6, 1988	
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	AM	5,595,636		Franzen	Jan. 21, 1997	
	AN	5,719,060		Hutchens et al.	Feb. 17, 1998	
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	AP	6,020,208		Hutchens et al.	Feb. 1, 2000	
	AD	6,027,942		Hutchens et al.	Feb. 22, 2000	
	AP	6,124,137		Hutchens et al.	Sep. 26, 2000	
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	AT	6,319,674	B1	Fulcrand et al.	Nov. 20, 2001	
	AU	6,511,810	B2	Bi et al.	Jan. 28, 2003	
	AV	6,528,320	B2	Hutchens et al.	Mar. 4, 2003	
	AW	6,558,744	B2	Jarrell et al.	May 6, 2003	
/D.K./	AX	6,761,902	B2	Sodroski et al.	Jul. 13, 2004	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation	
		Office	Application or Patent Number	Kind Code			Yes	No**
	AY	DE	40 17 806	A1	Finnigan Mat GmbH	Mar. 7, 1991		
	AZ	GB	2 299 486	A	Finnigan Mat GmbH	Mar. 27, 1994		
	BA	GB	2 312 782	A	Brüker-Franzen Analytik GmbH	Nov. 5, 1997		
	BD	JP	07 448442	A2	Kee Corporation	May 9, 1995		
	BD	JP	07 267086	A2	Res Dev Corp of Japan	Oct. 17, 1995		
	BD	WO	00/04322	A1	North Carolina State University	May 18, 1999		
	BE	WO	04/29418	A1	Baylor College of Medicine	Dec. 8, 1994		
	BF	WO	01/47947	A2	Amerchem Pharmacia Biotech AB	Jul. 5, 2001		
	BG	WO	01/49265	A1	Dana-Farber Cancer Institute, Inc.	Jul. 12, 2001		
/D.K./	BH	WO	00/45168	A1	Universite De Geneve	Aug. 3, 2000		
	BI	WO	02/066026	A1	Mitsubishi Pharma Corporation	Jul. 18, 2002		

Examiner Signature

/Dean Kwak/

Date Considered

06/10/2009

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	BJ	WO	00/43791	A2	Minerva Biotechnologies Corporation	Jul. 27, 2000		
/D.K./	BK	WO	00/66265	A2	Ciphergen Biosystems, Inc.	Nov. 9, 2000		
/D.K./	BL	WO	01/71326	A2	Ciphergen Biosystems, Inc.	Sep. 27, 2001		

**OTHER - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
	BM	SINGH et al., "Gangliosides as Receptors for Biological Toxins: Development of Sensitive Fluoroimmunoassays Using Ganglioside-Bearing Liposomes," <i>Analytical Chemistry</i> , 72 (24), 6019-6024 (December 15, 2000)		
	BN	BANERJEE et al., "Proteoliposome as the Model for the Study of Membrane Bound Enzymes and Transport Proteins," <i>Molecular and Cellular Biochemistry</i> , 50, 3-15 (1983)		
	BO	BALENGON et al., "Liposomes Bearing Platelet Proteins: A Model for Surface Functions Studies," <i>Biochimica et Biophysica Acta</i> , 1302, 241-248 (1996)		
	BP	SUZUKI et al., "Mechanism of Selective Release of Membrane Proteins from Human Erythrocytes in the Presence of Liposomes," <i>Archives of Biochemistry and Biophysics</i> , 379 (2), 344-352 (July 15, 2000)		
	BQ	SHINGLES et al., "Production of Membrane Vesicles by Extrusion: Size Distribution, Enzyme Activity, and Orientation of Plasma Membrane and Chloroplast Inner-Envelope Membrane Vesicles," <i>Analytical Biochemistry</i> , 229, 92-98 (1995)		
	BR	TRAINI et al., "Towards an Automated Approach for Protein Identification in Proteome Projects," <i>Electrophoresis</i> , 19, 1941-1949 (1998)		
/D.K./	BS	SCHREINER et al., "Ultraviolet Matrix Assisted Laser Desorption Ionization-Mass Spectrometry of Electroblooded Proteins," <i>Electrophoresis</i> , 17, 954-961 (1996)		
	BT	LOO et al., "Diffusive Transfer to Membranes as an Effective Interface Between Gel Electrophoresis and Mass Spectrometry," <i>International Journal of Mass Spectrometry and Ion Processes</i> , 169/170, 273-290 (1997)		
	BU	KLARCKOV et al., "India Ink Staining After Sodium Dodecyl Sulfate Polyacrylamide Gel Electrophoresis and in Conjunction with Western Blots for Peptide Mapping by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry," <i>Rapid Communication in Mass Spectrometry</i> , 16, 35-42 (2002)		
	BV	EGHERSKORN et al., "Analysis of Proteins by Direct Scanning Infrared MALDI-Mass Spectrometry after 2D-PAGE Separation and Electroblothing," <i>Anal. Chem.</i> , 69, 2888-2892 (1997)		
/D.K./	BW	BIENVENUT et al., "Toward a Clinical Molecular Scanner for Proteome Research: Parallel Protein Chemical Processing before and during Western Blot," <i>Analytical Chemistry</i> , 71 (21), 4800-4807 (November 1, 1999)		
	BX	BINZ et al., "A Molecular Scanner to Automate Proteomic Research and to Display Proteome Images," <i>Analytical Chemistry</i> , 71 (21), 4981-4988 (November 1, 1999)		
	BY	OKUMURA et al., "Transfer of Membrane Proteins from Human Platelets to Liposomal Fraction by Interaction with Liposomes Containing an Artificial Boundary Lipid," <i>Biochimica et Biophysica Acta</i> , 1194, 335-340 (1994)		
	BZ	MIRZADEKOV et al., "Paramagnetic Proteoliposomes Containing a Pure, Native, and Oriented Seven-Transmembrane Segment Protein, CCR5," <i>Nature Biotechnology</i> , 18, 649-654 (2000)		

Examiner Signature	/Dean Kwak/	Date Considered	06/10/2009
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CA	HAN et al., "Quantum dot tagged microbeads for multiplexed optical coding of biomolecules," <i>Nature Biotechnology</i> , 19, 631-635 (July 2001)		
CB	FULTON et al., "Advanced multiplexed analysis with the FlowMatrix system," <i>Clinical Chemistry</i> , 43 (9), 1749-1756 (1997)		
CC	FUNC et al., "Protein biochips for differential profiling," <i>Analytical Biotechnology</i> , 12, 65-69 (2001)		
CD	ZHOU et al., "Solution and chip arrays in protein profiling," <i>TRENDS in Biotechnology</i> , 19 (10 - Suppl.), S34-S39 (October 2001)		
CE	GYGI et al., "Quantitative analysis of complex protein mixtures using isotope coded affinity tags," <i>Nature Biotechnology</i> , 17, 994-999 (October 1999)		
CF	CHEN et al., "Interaction of 11-cis-Retinal Dehydrogenase with the Chromophore of Retinal G Protein-coupled Receptor Opsin," <i>Journal of Biological Chemistry</i> , 276 (24), 21098-21104 (June 15, 2001)		
CG	PARMAR et al., "Incorporation of bacterial membrane proteins into liposomes: factors influencing protein reconstitution," <i>Biochimica et Biophysica Acta</i> , 1421, 77-90 (1999)		
CH	OSHRV et al., "Annexin-mediated membrane fusion of human neutrophil plasma membranes and phospholipid vesicles," <i>Biochimica et Biophysica Acta</i> , 1066, 239-244 (1991)		
CI	ZHU et al., "Global Analysis of Protein Activities Using Proteome Chips," <i>Science</i> , 293, 2101-2105 (September 14, 2001)		
CJ	HERMANN et al., "Proteomic analysis of <i>Corynebacterium glutamicum</i> ," <i>Electrophoresis</i> , 22, 1712-1723 (2001)		
CK	SIMPSON et al., "Proteomic analysis of the human colon carcinoma cell line (LIM 1215): Development of a membrane protein database," <i>Electrophoresis</i> , 21, 1707-1732 (2000)		
CL	HEYSE et al., <i>Biochemistry</i> , 37, 567-522 (1998)		

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